

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/30/2020 11:13 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124531	-1	1.73	124614	1.78
Blue	F	SSC	125000	124328	-1	1.66	125156	1.70
Blue	E	FITC	15892	15398	-4	2.63	334	19.64
Blue	D	PE	29999	29386	-3	1.84	639	14.23
Blue	B	PerCP-Cy5-5	43732	43409	-1	3.56	1165	19.99
Blue	A	PE-Cy7	30845	30803	-1	5.83	595	39.46
Red	C	APC	46112	45822	-1	2.40	1619	11.89
Red	A	APC-Cy7	30458	29493	-4	2.31	793	11.59
Violet	B	V450	7918	7569	-5	4.34	424	12.59
Violet	A	V500	32171	30751	-5	4.19	718	10.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16837	9.70	619	-2	N/A	N/A	Pass
Blue	F	SSC	56789	1.16	562	3	N/A	N/A	Pass
Blue	E	FITC	62	60.65	540	-3	0.0207	90	Pass
Blue	D	PE	135	46.82	546	-2	0.1705	242	Pass
Blue	B	PerCP-Cy5-5	214	49.42	654	-2	0.0095	68	Pass
Blue	A	PE-Cy7	112	95.71	697	-1	0.0115	12	Pass
Red	C	APC	386	25.16	586	2	0.0259	196	Pass
Red	A	APC-Cy7	175	27.68	556	0	0.0058	899	Pass
Violet	B	V450	64	56.48	456	-2	0.0572	1944	Pass
Violet	A	V500	108	31.06	472	-2	0.0243	497	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.26	-32.91	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.89	13.60 - 20.40	N/A	N/A	30.38	30.71	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9850

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments